

Rabbit anti-Human COX7A2L Polyclonal Antibody | anti-COX7A2L antibody

COX7A2L Antibody

CATALOG # AAA308672	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
-------------------------------	-----------------------	----------------------------	---

PRODUCT SYNONYMS

COX7A2L; Polyclonal Antibody; COX7A2L Antibody; EB1; SIG81; COX7AR; COX7RP; anti-COX7A2L antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total COX7A2L protein.
Purity/Purification	Antigen Affinity Purification
Form/Format	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Concentration	1.9 mg/ml (varies by lot)
Sequence Length	114
Applicable Applications for anti-COX7A2L antibody	IHC (Immunohistochemistry)
Immunogen	Synthetic peptide of human COX7A2L
Immunogen Type	Peptide
Preparation and Storage	Store at -20 degree C

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Human esophagus cancer tissue using at dilution 1/35.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Human breast cancer tissue using at dilution 1/35.

ADDITIONAL INFORMATION

Related Product Information for anti-COX7A2L antibody

Cytochrome c oxidase (COX), the terminal component of the mitochondrial respiratory chain, catalyzes the electron transfer from reduced cytochrome c to oxygen. This component is a heteromeric complex consisting of 3 catalytic subunits encoded by mitochondrial genes and multiple structural subunits encoded by nuclear genes. The mitochondrially-encoded subunits function in electron transfer, and the nuclear-encoded subunits may function in the regulation and assembly of the complex. This nuclear gene encodes a protein similar to polypeptides 1 and 2 of subunit VIIa in the C-terminal region, and also highly similar to the mouse Sig81 protein sequence. This gene is expressed in all tissues, and upregulated in a breast cancer cell line after estrogen treatment. It is possible that this gene represents a regulatory subunit of COX and mediates the higher level of energy production in target cells by estrogen.

NCBI AND UNIPROT INFORMATION

NCBI GI #	18105037
NCBI GeneID	9167
NCBI Accession #	NP_004709.2
NCBI GenBank Nucleotide #	NM_004718.3
UniProt Accession #	O14548; Q9P118
Molecular Weight	12,615 Da
NCBI Official Full Name	cytochrome c oxidase subunit 7A-related protein, mitochondrial isoform a
NCBI Official Synonym Full Names	cytochrome c oxidase subunit 7A2 like
NCBI Official Symbol	COX7A2L
NCBI Official Synonym Symbols	EB1; SIG81; COX7AR; COX7RP
NCBI Protein Information	cytochrome c oxidase subunit 7A-related protein, mitochondrial
UniProt Protein Name	Cytochrome c oxidase subunit 7A-related protein, mitochondrial
UniProt Gene Name	COX7A2L
UniProt Synonym Gene Names	COX7AR; COX7RP
UniProt Entry Name	COX7R_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/cox7a2l-antibody-immunohistochemistry-elisa/308672>